SHARP

STEREO-RADIORECORDER MIT COMPACT DISC PLAYER
RADIO-CASSETTE STÉRÉO AVEC LECTEUR DE DISQUE COMPACT
RADIOCASSETTE ESTÉREO CON REPRODUCTOR DE COMPACT DISC
STEREORADIOKASSETTBANDSPELARE MED COMPACT DISC-SPELARE
RADIOREGISTRATORE A CASSETTE STEREO CON LETTORE CD
STEREO RADIO/CASSETTERECORDER MET CD-SPELER
STEREO RADIO CASSETTE RECORDER WITH COMPACT DISC PLAYER

MODELL MODELLO
MODÈLE MODEL
MODELO MODEL
MODELL

WQ-CH800H

BEDIENUNGSANLEITUNG
MODE D'EMPLOI
MANUAL DE MANEJO
BRUKSANVISNING
MANUALE DI ISTRUZIONI
GEBRUIKSAANWIJZING
OPERATION MANUAL

DEUTSCH
FRANÇAIS
ESPAÑOL
SVENSKA
ITALIANO
NEDERLANDS
ENGLISH

COMPACT disc DIGITAL AUDIO

BESONDERE ANMERKUNGEN
REMARQUES SPÉCIALES
NOTAS ESPECIALES
SÄRSKILDA ANMÄRKNINGAR
NOTE PARTICOLARI
BIJZONDERE OPMERKINGEN
SPECIAL NOTES

- This apparatus complies with the requirements of EN 55014, 02.1987.
- Dieses Gerät stimmt mit den Bedingungen der EN 55014, 02.1987.
- Cet appareil répond aux spécifications de la EN 55014, 02.1987.
- Dit apparaat voldoet aan de vereiste EN 55014, 02.1987.
- Apparatet opfylder kravene i EN 55014, 02.1987.
- Questo apparecchio è stato prodotto in conformità alle EN 55014, 02.1987.
- Este aparelho responde às especificações da EN 55014, 02.1987.
- Este aparato cumple las especificaciones de la EN 55014, 02.1987.
- Αὐτή ἡ ουσκευή τηρεῖ τίς προδιαγραρές τῆς EN 55014, 02.1987.

- **Vorsicht:**
  Das Gerät weder Tropf- noch Spritzwasser aussetzen. Ansonsten besteht die Gefahr eines Brandes oder elektrischen Schlages.
- **Attention:**
  Ne pas exposer ce matériel aux éclaboussures et aux projections d'eau, qui pourraient provoquer le feu ou l'électrocution.
- **Advertencia:**
  Para prevenir incendio o sacudidas eléctricas, no exponga este aparato a gotas o salpicaduras.
- **Varning:**
  För att förhindra brand eller elektrtisk stöt, så skydda apparaten mot fukt och väta.
- **Adversel:**
  Til at forbygge ild og stød risiko, lad være med at undsætte denne indretning for drypning eller overstænkning.
- **Adversel:**
  For å unngå brann eller kortslutning, ulsett ikke produktet for varn olier fuktighet.
- **Varoitus:**
  Älä vie laitetta sateeseen tai kosteisiin tiloihin. Jos laite on kostunut, anna sen kuivua ennen kuin käytät sitä verkkovirralla.
- **Attenzione:**
  Onde prevenire incendi o scosse elettriche, non esponete questo apparecchio a fonti di umidita' o all' acqua.
- **Waarschuwing:**
  Om brand of een gevaarlijk elektrische schok te voorkomen, stel dit toestel niet bloot aan spatten en vochtdruppels.
- **Warning:**
  To prevent fire or shock hazard, do not expose this appliance to dripping or splashing.

- Audio-visuelles Material kann Urheberrechte umfassen, die ohne Genehmigung des Eigentümers dieser Urheberrechte nicht aufgenommen werden dürfen. Siehe die entsprechenden nationalen Gesetze.

- Le matériel audio-visuel peut comporter des oeuvres faisant l'objet de droits d'auteur qui ne peuvent être enregistrées sans l'autorisation du possesseur du droit d'auteur, veuillez vous référer aux réglementations nationales en vigueur.

- El material audiovisual puede consistir en trabajos que tengan derechos de autor y que no deben grabarse sin la autorización del poseedor de dichos derechos de autor. Sírvase consultar las leyes aplicables en su país.

- Audiovisuellt material kan innehålla upphovsrättsarbete som inte skall mångfaldigas utan tillstånd av copyrightinnehavaren. Se den tillämpliga lagen i ditt land.

- Il materiale audio-visivo che fosse soggetto a copyright non può essere registrato senza l'autorizzazione del possessore del copyright. Si prega di attenersi alle leggi in vigore sul territorio nazionale.

- Audio-visueel materiaal kan worden beschermd door auteursrechten, in welk geval het niet mag worden opgenomen zonder de toestemming van de auteursrechthouder. Zie voor nadere informatie de betreffende wetten in het land van gebruik.

- Audio-visual material may consist of copyrighted works which must not be recorded without the authority of the owner of the copyright. Please refer to relevant law in your country.

- Die Buchstaben in den in der Modellnummer enthaltenen Klammern zeigen nur die Farbe des Produktes an. Die Bedienungsschritte und die technischen Daten sind unbeeinflußt.

- Les lettres mises en parenthèses du numéro de modèle indiquent la couleur du produit concerné. Le fonctionnement et les caractéristiques ne varient pas selon la couleur du modèle.

- Las letras entre corchetes contenidas en el número del modelo indican el color del producto solamente. El funcionamiento y las especificaciones no quedan afectados.

- Bokstäver inom parantes i modellnummert anger endast produktfärg. Funktioner och tekniska data påverkas inte.

- Le lettere tra parentesi contenute nel numero del modello indicano soltanto il colore del prodotto. Il funzionamento e le caratteristiche non subiscono mutamenti.

- De in het modelnummer opgenomen letters tussen haakjes geven alleen de kleur van het toestel aan, en hebben op geen enkele wijze betrekking op de werking en technische gegevens van het apparaat.

- The letters in brackets contained in the model number indicate the colour of the product only. Operation and specifications are unaffected.

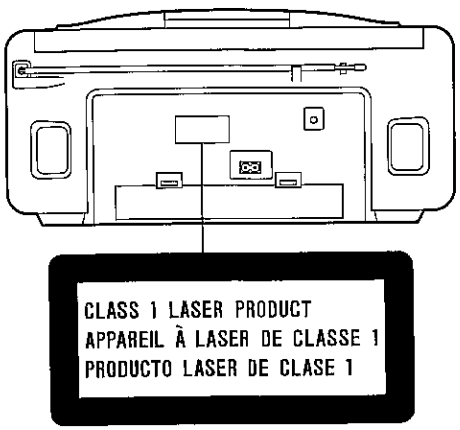
- **Vorsicht:**
  Dieses Produkt enthält einen Niederleistungslaserapparat. Um andauernde Sicherheit zu erhalten, niemals die Abdeckung entfernen oder versuchen, die Innenseite des Produktes zu berühren.
  Wenden Sie sich für alle Wartungsarbeiten an berechtigten Fachhändler.

- **Attention:**
  Ce produit contient un dispositif émettant un laser à faible puissance. Pour assurer la sécurité, ne pas enlever le couvercle ni accéder à l'intérieur du produit. Pour toute réparation, s'adresser à une personne qualifiée.

- **Atención:**
  Este producto contiene un dispositivo láser de baja potencia. Para asegurar la seguridad continua, no extraiga la cubierta ni acceda al interior del producto. Para todas las operaciones de reparación, consulte a una persona cualificada.

- **Let op:**
  Dit toestel bevat een zwakke lasereenheid. Uit veiligheidsoverwegingen mag de gebruiker zelf daarom nooit afdekkingen of een gedeelte van de behuizing verwijderen.
  Laat alle onderhouds- en reparatiewerkzaamheden over aan een bevoegde vakman.

- **Caution:**
  This product contains a low power laser device. To ensure continued safety do not remove any cover or attempt to gain access to the inside of the product. Refer all servicing to qualified personnel.



LASER KLASSE 1
LUOKAN 1 LASERLAITE
KLASS 1 LASERAPPARAT

● Bei Einstellung des FUNCTION-Schalters auf POWER STAND-BY ist die Netzspannung immer noch im Gerät vorhanden.

Warnung:
In diesem Gerät sind keine vom Benutzer wartbaren Teile vorhanden. Niemals Abdeckungen entfernen, außer wenn Sie dafür qualifiziert sind. In diesem Gerät sind gefährliche Spannungen vorhanden. Vor Ausführung von irgendwelchen Kundendienstarbeiten oder bei längerer Nichtverwendung des Gerätes stets den Netzstecker aus der Netzsteckdose ziehen.

● Lorsque le commutateur FUNCTION est réglé à la position POWER STAND-BY, l'appareil est toujours sous tension.

Avertissement:
Cet appareil contient des pièces non réparables par l'utilisateur. Personne non qualifiée n'enlèvera jamais les couvercles. L'appareil contenant des organes portés à haute tension, débrancher l'appareil avant toute réparation ou en période de non-utilisation.

● Cuando el interruptor FUNCTION está puesto en la posición POWER STAND-BY, todavía hay tensión dentro del aparato.

Advertencia:
Tenga en cuenta que dentro de este aparato no hay piezas que pueda reparar. No quite nunca las tapas a menos que se esté cualificado para hacerlo. Este aparato tiene en su interior tensiones peligrosas. Desenchufe siempre la clavija de la red del tomacorriente antes de realizar cualquier servicio de mantenimiento y cuando no se use el aparato durante un largo período de tiempo.

● När FUNCTION-omkopplaren är i läge POWER STAND-BY, finns nätspänning i apparaten.

Varning:
Apparaten innehåller inga delar som kan åtgärdas av kunden. Höljet får endast öppnas av kvalificerad personal. Apparaten innehåller farliga spänningar. Stickkontakten ska därför dras ut från nätuttaget före reparationsarbeten och bör dras ut om apparaten inte ska användas på mycket länge.

● Når FUNCTION-kontakten er sat på POWER STAND-BY positionen, er der stadig netspænding tilstede i apparatet.

Advarsel:
Apparatet indeholder ingen dele, der kan repareres af brugeren selv. Fjern aldrig kabinettet med mindre De er kvalificeret hertil. Apparatet indeholder farlig strømspænding. Træk altid stikket ud af stikkontakten før der foretages reparationer, eller hvis apparatet ikke er i brug i længere tid.

● Quando l'interruttore FUNCTION si trova in posizione POWER STAND-BY, all'interno dell'apparecchio c'è ancora la corrente.

Avvertenza:
L'apparecchio non contiene parti riparabili dall'utente. Non togliere mai i coperchi, a meno di non essere qualificati per farlo. All'interno dell'apparecchio ci sono tensioni pericolose, per cui si deve sempre staccare la spina del cavo d'alimentazione dalla presa di corrente prima di qualsiasi intervento di manutenzione e quando non si usa l'aparecchio per un lungo periodo di tempo.

● Als de FUNCTION schakelaar in de POWER STAND-BY stand staat, zal het toestel nog steeds een bepaalde hoeveelheid stroom van het lichtnet betrekken.

Waarschuwing
Binnenin dit toestel bevinden zich geen door de gebruiker zelf te onderhouden onderdelen. De behuizing mag alleen worden verwijderd door bevoegd onderhoudspersoneel. De door dit toestel gebruikte elektrische spanning kan bij verkeerd gebruik een gevaarlijke schok opleveren. Haal de stekker uit het stopkontakt als het toestel voor langere tijd niet wordt gebruikt of tijdens het uitvoeren van onderhoud.

● When the FUNCTION switch is set at POWER STAND-BY position, mains voltage is still present inside the unit.

Warning:
This unit contains no user serviceable parts. Never remove covers unless qualified to do so. This unit contains dangerous voltages, always remove mains plug from the socket before any service operation and when not in use for a long period.

DENNA APPARAT ÄR ANSLUTEN TILL 230 V VÄXELSTRÖM NÄR STICKPROPPEN ÄR INSKJUTEN I VÄGGUTTAGET. FÖR ATT FULLSTÄNDIGT KOPPLA IFRÅN APPARATEN, V.G. DRAG UT STICKPROPPEN.

DECLARACION DE CONFORMIDAD DEL FABRICANTE

El que suscribe : Hidetaka Yoshioka

En nombre de SHARP CORPORATION, Communication & Audio Systems Group.

Iida Hachihonmatsu-cho, Higashihiroshima-shi,

Hiroshima, 739-01 Japan.

Declara bajo su propia responsabilidad, que el :

Equipo : RADIOCASSETTE ESTÉREO CON REPRODUCTOR DE COMPACT DISC

Fabricado en : MALAYSIA

por : SHARP ROXY CORPORATION(M) SDN. BHD.

Marca : SHARP

Modelo : WQ-CH800H

Objeto de esta declaración, cumple con la normativa siguiente:

— Anexo V del reglamento sobre Perturbaciones Radioeléctricas aprobado en el R.D. 138/89.

Hecho en : Hiroshima, Japan

20- 5 -1994

N. Yoshioka

Hidetaka Yoshioka

Dept. General Manager
Quality and Reliability Control Center.
Communication & Audio Systems Group,
Sharp Corporation.

ESTE APARATO TIENE LOS ELEMENTOS ANTIPARASITARIOS PARA CUMPLIR CON LOS LIMITES ESTABLECIDOS SEGUN EL R.D. 138/89.

LAS POSICIONES PARA SU LOCALIZACION SON
C651,C652,C653,C654 EN PLACA QPWBF0052AWZZ

Die nachstehend genannten Bestimmungen gelten nur für das Gebiet der BRD.

Die Deutsche Bundespost informiert

Sehr geehrter Rundfunkteilnehmer!

Dieses Gerät ist von der Deutschen Bundespost als Ton- bzw. Fernseh-Rundfunkempfänger bzw. als Komponente einer solchen Anlage (Tuner, Verstärker, aktive Lautsprecherbox, Fernseh-Monitor u. dgl.) zugelassen. Es entspricht den zur Zeit geltenden Technischen Vorschriften der Deutschen Bundespost und ist zum Nachweis dafür mit dem entsprechenden Zulassungszeichen gekennzeichnet. Bitte überzeugen Sie sich selbst.

Dieses Gerät darf im Rahmen der "Allgemeinen Genehmigung für Ton- und Fernseh-Rundfunkempfänger" in der Bundesrepublik Deutschland betrieben werden. Beachten Sie aber bitte, daß aufgrund dieser Allgemeinen Genehmigung nur Sendungen des Rundfunks empfangen werden dürfen. *) Wer unbefugt andere Sendungen (z.B. des Polizeifunks, des Seefunks, der öffentlichen beweglichen Landfunkdienste) empfängt, verstößt gegen die Genehmigungsauflagen und macht sich daher nach §15, Absatz 2a des Gesetzes über Fernmeldeanlagen strafbar.

Die Kennzeichnung mit dem Zulassungszeichen bietet Ihnen die Gewähr, daß dieses Gerät keine anderen Fernmeldeanlagen einschließlich Funkanlagen stört. Der Zusatzbuchstabe S **) beim Zulassungszeichen besagt außerdem, daß das Gerät gegen störende Beeinflussungen durch andere Funkanlagen (z.B. des Amateurfunks, des CB-Funks) weitgehend unempfindlich ist. Geräte ohne den Zusatz S sind nicht besonders störfest.

Sollten bei Geräten mit dem Zusatz S ausnahmsweise trotzdem Störungen auftreten, oder wenn Sie Fragen haben, so wenden Sie sich bitte an die örtlich zuständige Funkstörungsmeßstelle.

*) Zum Empfang anderer Sendungen darf dieses Gerät nur mit Genehmigung der Deutschen Bundespost benutzt werden. Allgemein genehmigt ist zur Zeit der Empfang der Aussendungen von Amateurfunkstellen und der Normalfrequenz- und Zeitzeichensendungen.

**) Weitere Zusatzbuchstaben (E, K usw.) und Ziffern haben in bezug auf die Störfestigkeit keine Bedeutung.

ENGLISH

Thank you for purchasing this SHARP product.
For the best performance, read this manual carefully. It will guide you in operating your SHARP product.

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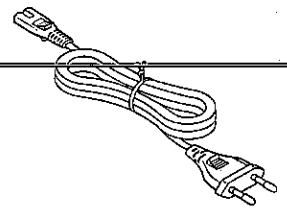
ACCESSORY

AC Power Lead × 1



Note:
Parts and accessories mentioned in this operation manual other than that shown to the left are not included.

PRECAUTIONS

- Do not use oil, solvents, petrol, paint thinners or insecticides on the unit.
- Do not expose the unit to moisture, to temperatures higher than 60°C (140°F) or to extreme low temperatures.
- Keep the unit away from direct sunlight, strong magnetic fields, excessive dust, humidity and electronic/electrical equipment (home computers, facsimiles, etc.) which generates electrical noise.
- Hold the AC power plug by the head when removing it from the AC socket, since pulling the lead can damage internal wires.
- Remove the AC power plug from the wall socket before cleaning the heads, pinch rollers, etc.
  This unit contains dangerous voltages.
  Do not remove the outer cover, as this may result in electric shock. Refer internal service to your local SHARP service facility.
- Use the unit on a firm level surface free from vibration, and do not put anything on the unit.
- If the unit does not work properly whilst in use, set the FUNCTION switch to POWER STAND-BY and then to POWER ON again.

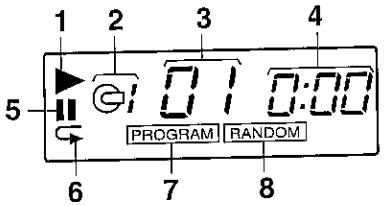
Warning:
The voltage used must be the same as that specified on this unit. Using this product with a higher voltage than that which is specified is dangerous and may result in a fire or other type of accident causing damage. SHARP will not be held responsible for any damage resulting from use of this unit with a voltage other than that which is specified.

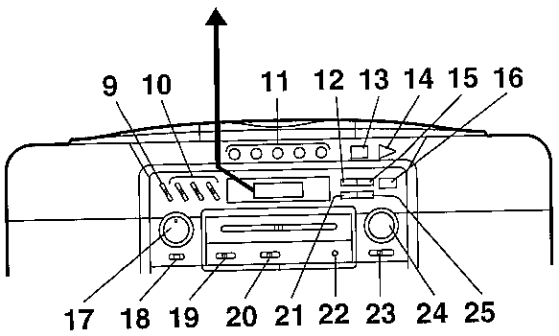
■ Condensation

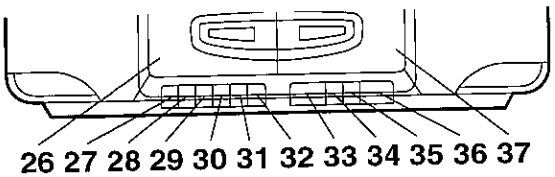
Sudden temperature changes and storage or operation in an extremely humid environment may cause condensation inside the cabinet (CD pickup, tape head, etc.).
Condensation can cause the unit to malfunction.
If this happens, leave the power on with no disc (or cassette) in the unit until normal playback is possible (about 1 hour).

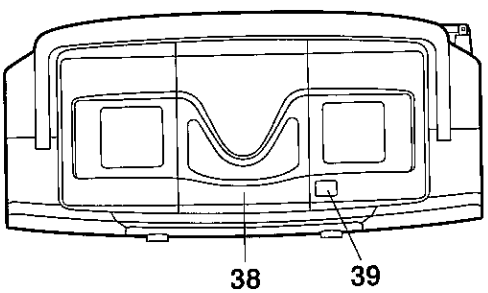
Warning:
CD players use a laser pickup which can damage the eyes if viewed directly. Do not look at the pickup, and do not touch the pickup directly.

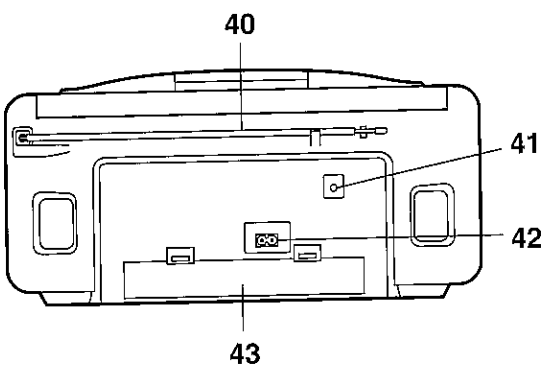
NAMES OF CONTROLS AND INDICATORS











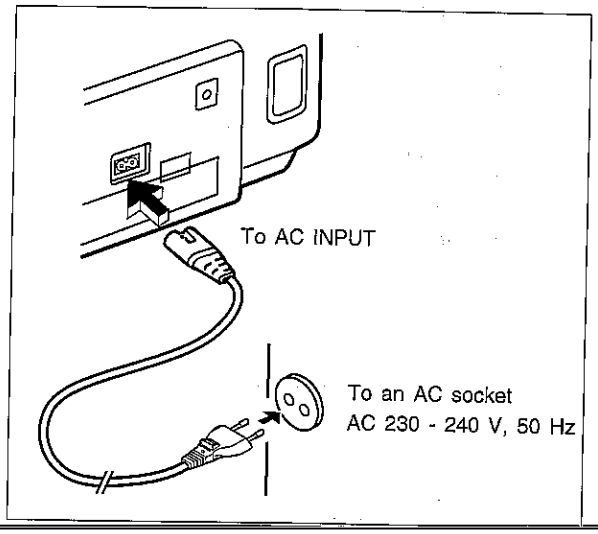
1. Play Indicator: ▶
2. Disc Number Indicator
3. Track Number Indicator
4. Minutes and Seconds Indicator/ Programme Number Indicator
5. Pause Indicator: ❚❚
6. Repeat Indicator: ⊂
7. Programme Indicator
8. Random Indicator

9. Extra Bass Control: X-BASS
10. Graphic Equalizer Controls
11. Disc Number Selector Buttons: (⊖1 - ⊖5)
12. Track Down/Review Button: ⏮ / ◀◀
13. Stop Button
14. Play/Repeat Button
15. Track Up/Cue Button: ⏭ / ▶▶
16. Pause Button: ❚❚
17. Volume Control
18. Dubbing Speed/Beat Cancel Switch
19. Power/Function Switch
20. Tape Selector Switch (playback only)
21. Memory Button
22. FM Stereo Indicator
23. Band Selector Switch
24. Tuning Control
25. Random Play Button

26. (TAPE 2) Cassette Compartment
27. (TAPE 2) Record Button: ●
28. (TAPE 2) Play Button: ▶
29. (TAPE 2) Rewind Button: ◀◀
30. (TAPE 2) Fast Forward Button: ▶▶
31. (TAPE 2) Stop/Eject Button: ■/⏏
32. (TAPE 2) Pause Button: ❚❚
33. (TAPE 1) Play Button: ▶
34. (TAPE 1) Rewind Button: ◀◀
35. (TAPE 1) Fast Forward Button: ▶▶
36. (TAPE 1) Stop/Eject Button: ■/⏏
37. (TAPE 1) Cassette Compartment

38. CD Compartment
39. CD Eject Button: ⏏

40. FM/SW Telescopic Rod Aerial
41. Headphones Socket
42. AC Power Input Socket
43. Battery Compartment

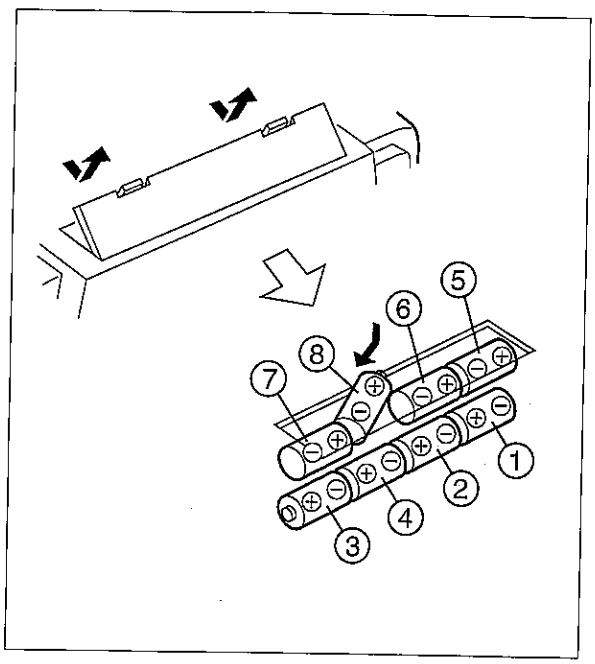


■ AC power

Connect the AC power lead to the AC power input socket, then connect the AC power lead plug to an AC socket.

Notes:

- The AC power lead is located in the battery compartment.
- If the unit will not be used for a long period of time, remove the AC power lead from the AC socket.
- Use of the AC power lead disconnects the batteries.
- Never use any power lead other than the one supplied. Otherwise problems or accident may occur.



■ Battery power

1 Disconnect the AC power lead, lay the unit face down on a soft cloth and remove the battery compartment cover.

2 Insert 8 "D" size batteries (UM/SUM-1, R20, HP-2 or similar) into the battery compartment.

- When inserting the batteries, push them towards the ⊖ sign.
- Placing the batteries the wrong way round can cause the unit to malfunction.

Battery removal:

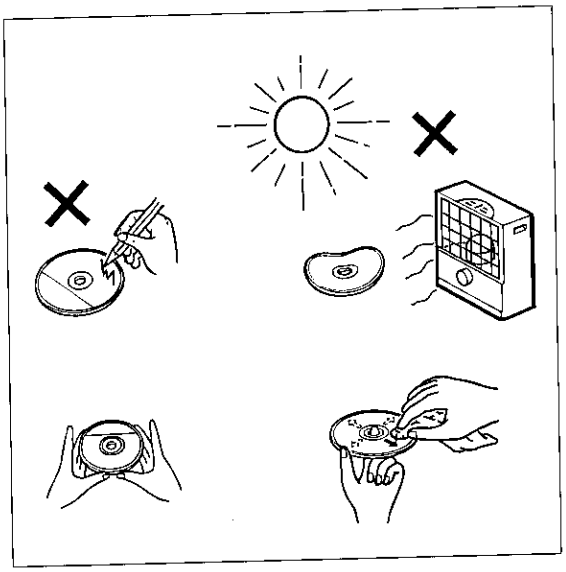
- Push batteries ⑦ and ⑧ towards the ⊖ sign on the batteries to remove them.

Precautions for battery use:

- Insert the batteries according to the direction indicated on the rear panel.
- Remove the batteries if weak or if the unit is not in use for long periods to prevent potential damage due to battery leakage.
- Replace all batteries with new ones at the same time.
- Don't mix old and new batteries.
- Don't mix normal batteries with rechargeable batteries.

Battery replacement:

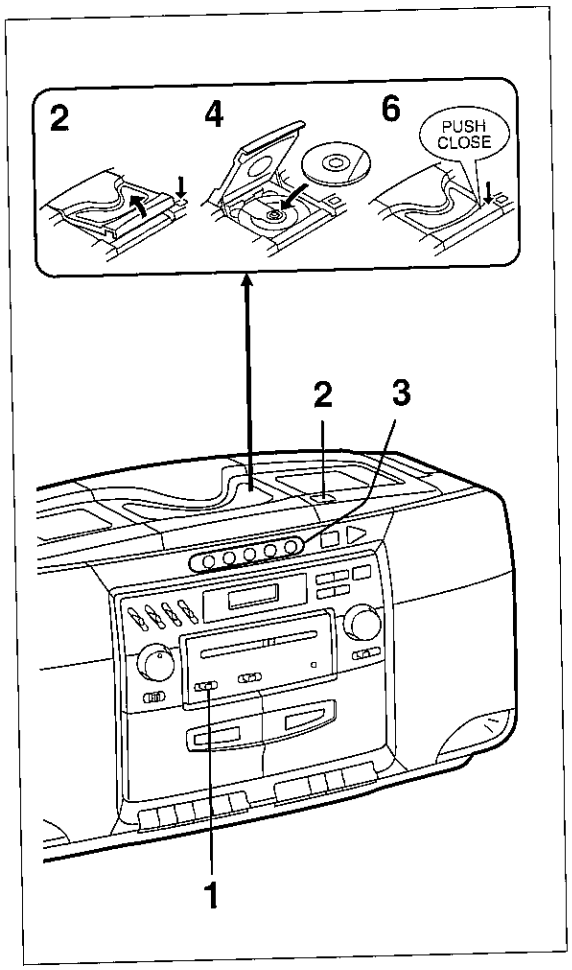
Replace the batteries when recording or playback is impaired, or when the disc holder moves slowly. This may occur even though radio broadcasts are audible.



■ Care of compact discs

Compact discs are fairly resistant to damage, however mistracking can occur due to an accumulation of dirt on the disc surface.
Follow the guidelines below for maximum enjoyment from your CD collection and player.

- Do not write on either side of the disc, particularly the non-label side. Signals are read from the non-label side. Do not mark this surface.
- Keep your discs away from direct sunlight, heat, and excessive moisture.
- Always hold the CDs by the edges. Fingerprints, dirt, or water on the CDs can cause noise or mistracking. If a CD is dirty or does not play properly, clean it with a soft, dry cloth, wiping straight out from the centre, along the radius.



■ Loading CDs

This CD changer can have a maximum of 5 discs loaded into the disc holder.

1 Set the FUNCTION switch to CD.

2 Press the CD EJECT button to open the CD compartment.

3 Press the DISC NUMBER button (⊜1 - ⊜5) for the disc position you want to load a disc in.

- The selected indicator "⊜1 - ⊜5" will light up, and the disc holder will move to the selected disc position.

Note:

- Do not attempt to stop the disc holder by hand whilst it is moving.

4 Place a compact disc on the spindle, label side up.

- 8 cm (3") discs may be played without an adaptor.

Note:

- Do not load or unload CDs whilst the disc holder is moving.

5 Repeat steps 3 - 4 to load the remaining CDs.

- A maximum of 5 discs can be loaded.

6 Close the CD compartment by firmly pushing the corner marked "PUSH CLOSE".

Note:

- If "Error" appears in the display whilst the disc holder is moving or whilst the CD mechanism is going up or down, set the FUNCTION switch to POWER STAND-BY, and then check the following points.

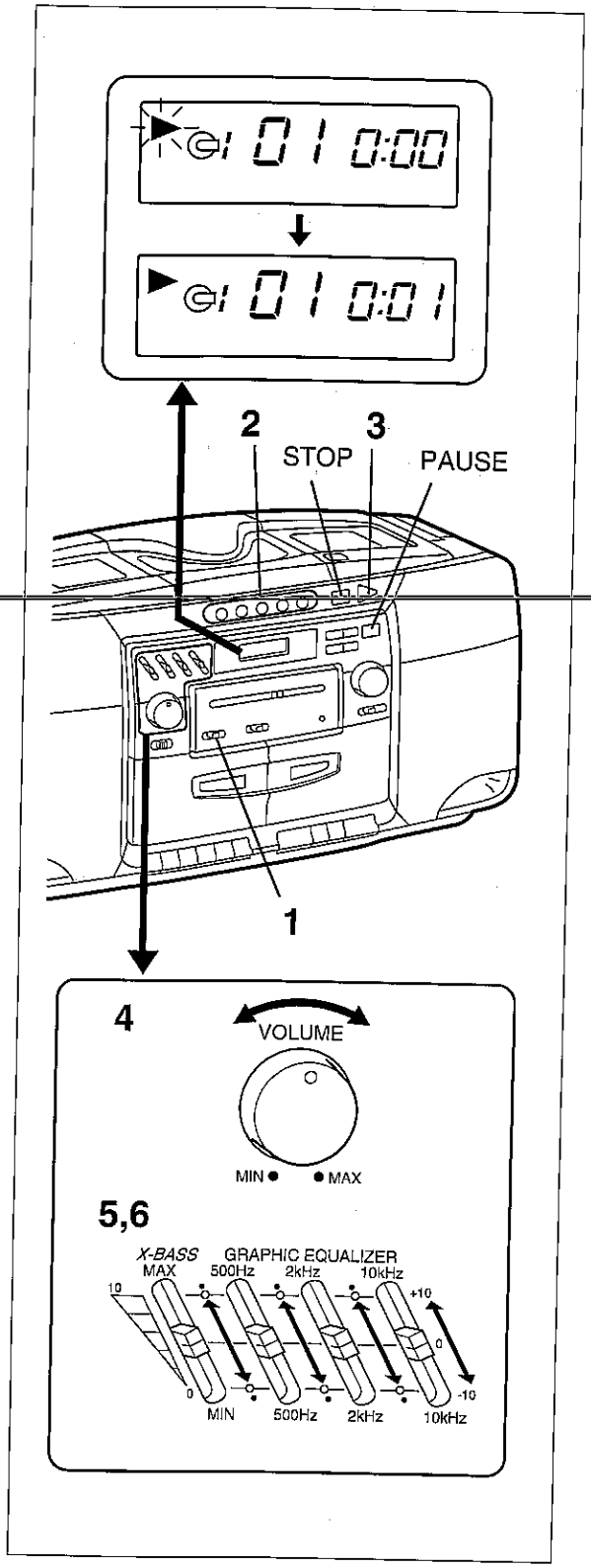
(1) The batteries are exhausted:

Replace all of the batteries with new ones or power the unit with AC power.

(2) Discs may be jammed inside the unit.

Load the CD properly.

If the problem is not resolved even after the above points have been checked, contact an authorised service centre.



■ Playing CDs

1 Set the FUNCTION switch to CD.

2 Press the desired DISC NUMBER button (⊜1 - ⊜5).

3 Press the PLAY/REPEAT button.

- Playback will begin from track 1 on the disc you have specified to play.

4 Rotate the VOLUME control towards MAX to increase the volume, and towards MIN to decrease the volume.

5 Move the GRAPHIC EQUALIZER control for any frequency towards +10 to boost the level for that frequency, and towards -10 to lower the level.

6 Move the X-BASS control towards MAX to emphasise bass sound.
The centre position represents a normal setting.

Notes:

- Playback continues automatically until the last disc in the disc holder has been played.
- If a disc holder does not contain a disc, or contains a disc which is scratched, dirty or loaded upside down, or cannot be played back, the unit will skip that holder, and the next holder containing a disc will automatically be played back.
- Playback automatically stops after the last disc, unless the repeat or random function is selected.
- When the last track on the fifth disc has finished playing, the unit stops automatically and returns to the position of the first track on disc 1.

To interrupt playback:

Press the PAUSE button.

- The "❚❚" indicator will light up.

Press the PLAY/REPEAT button to resume playback from the same point.

To stop playback:

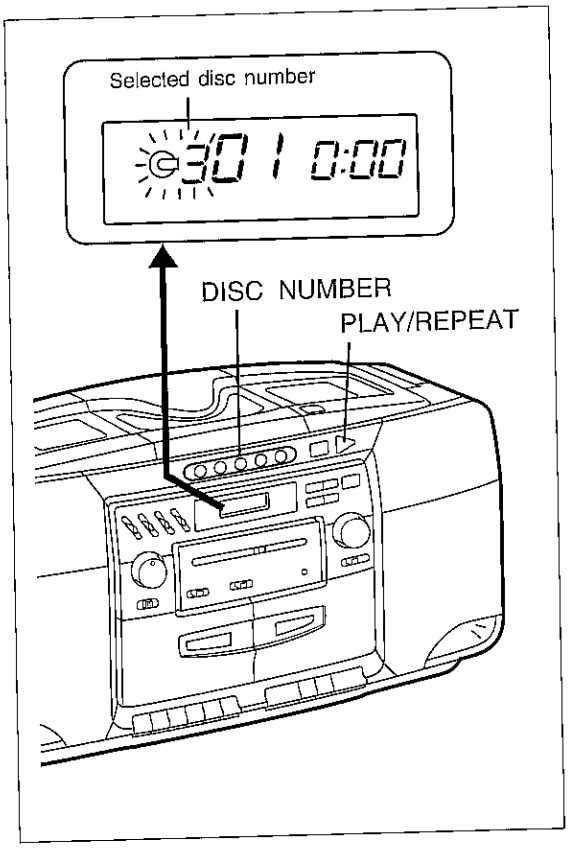
Press the STOP button.

To switch the unit off after use:

Set the FUNCTION switch to POWER STAND-BY.

Precautions:

- If the disc holder moves slowly or it stops in the middle of the movement, the batteries are exhausted. If this happens, set the FUNCTION switch to POWER STAND-BY, and replace all of the batteries with new ones or power the unit with AC power.
- Put the unit on a level surface. If the unit is used on a surface that is not flat, the CD may not play back properly and discs may jam in the unit.



■ Disc number selection

CDs are automatically played from disc 1 through disc 5. However, any disc number can be selected during play or when stopped.

To select a disc number when stopped:

1 When stopped, press the desired DISC NUMBER button (⊜1 - ⊜5).

- The selected indicator "⊜1 - ⊜5" will light up, and the disc holder will move to the selected disc position.

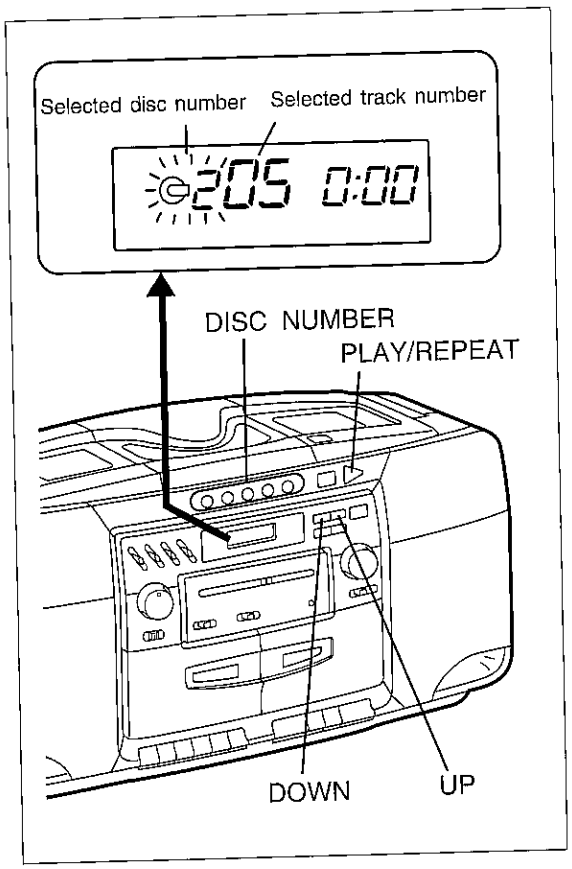
2 Press the PLAY/REPEAT button.

- The selected disc playback will begin, after which each following disc will be played sequentially.

To select a disc number during playback:

During playback, press the desired DISC NUMBER button (⊜1 - ⊜5).

- The selected indicator "⊜1 - ⊜5" will light up.
- The selected disc playback will begin, after which each following disc will be played sequentially.



■ Direct-selection play

Any track can be selected and played back from any disc in the disc holder.

1 Select the disc to be played back by pressing the DISC NUMBER button.

- The selected indicator "⊜1 - ⊜5" will light up, and the disc holder will move to the selected disc position.

2 Press the UP or DOWN button to select the desired track number.

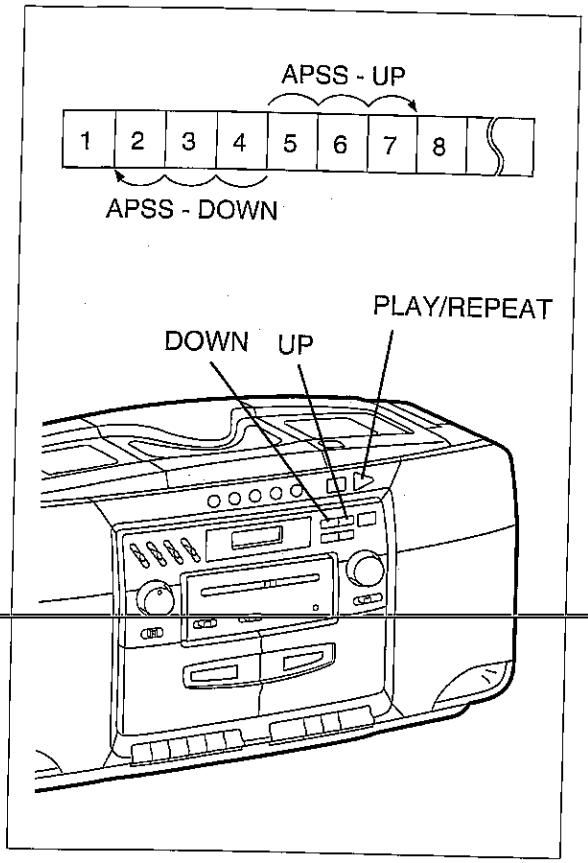
Note:

- When the UP or DOWN button is held down, the track number will change continuously.

3 Press the PLAY/REPEAT button.

Notes:

- If a disc number that is not in the disc holder is selected, playback begins from the first track on the next disc.
- Any track number from "01 - 99" can be selected for a disc that's not in the playback tray. However, if the selected track numbers are not actually found on the disc, playback will start from the first track.



■ APSS (Auto Program Search System)

APSS automatically locates the beginning of any track.

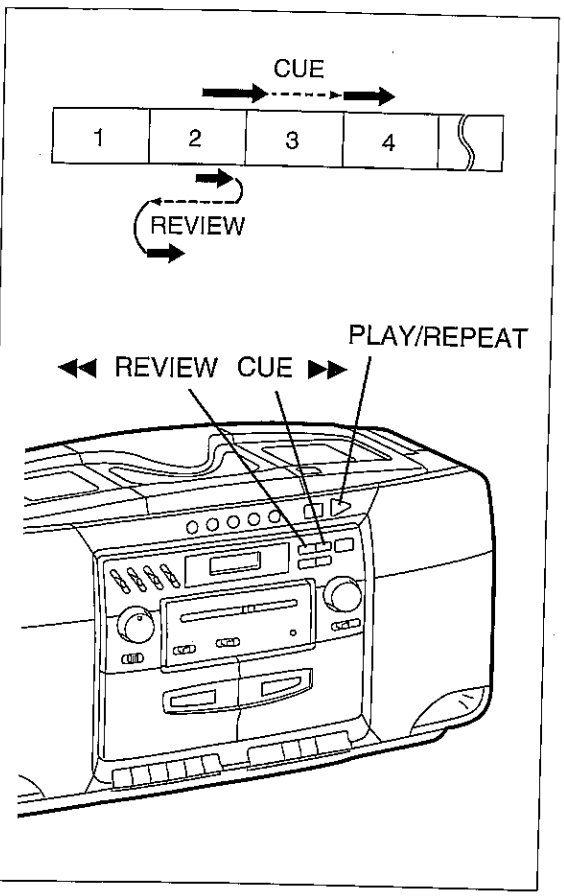
1 Load the CD(s) and press the PLAY/REPEAT button.

2 Press the UP button for less than 0.5 seconds to move forward or the DOWN button for less than 0.5 seconds to reverse through the CD.

- The "▶" indicator flashes whilst searching for the track's beginning.
- If the UP button or DOWN button is pressed repeatedly during playback, playback will begin from the beginning of the track shown in the track number indicator.
- If the UP button or DOWN button is pressed whilst in the stop mode, the CD player will stop at the beginning of the track shown in the track number indicator. Press the PLAY/REPEAT button to begin playback.

Notes:

- APSS will move forward or backward from any point on the disc before playback begins. It will not move forward during playback of the final track.
- APSS can only search a single disc, unless in the APMS mode.
(See page 9.)



■ Cue and review

1 Load the CD(s) and press the PLAY/REPEAT button.

2 To fast forward audibly, hold down the CUE ▶▶ button for at least 0.5 seconds.
To fast reverse audibly, hold down the ◀◀ REVIEW button for at least 0.5 seconds.

3 Normal playback will resume when the CUE ▶▶ or ◀◀ REVIEW button is released.

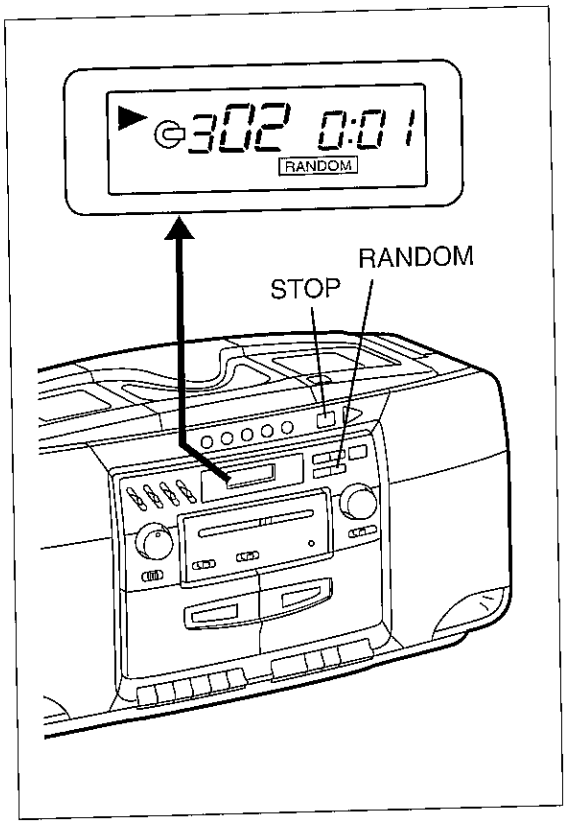
Notes:

- If the end of the disc is reached whilst cueing, "End" lights up and CD operation is paused. Press the ◀◀ REVIEW button for fast reverse or press the STOP button to stop CD operation.
- If the beginning of the track is reached whilst reviewing, the mode will automatically switch to normal playback at that point.

To search very quickly:

When the CUE ▶▶ or ◀◀ REVIEW button is held down for at least 0.5 seconds whilst in the pause mode, the search will be performed more quickly than during audible fast forward or fast reverse playback.

- In this mode, no sound is heard. Therefore, you should refer to the time display.
- When you lift your finger, the unit will re-enter the pause mode.



■ Random play

The tracks on the discs in the disc holder can automatically be played in random order.

To begin random play whilst in the stop mode:

Press the RANDOM button.

- The "RANDOM" indicator will light up, and random play will automatically begin.

To begin random play whilst a disc is being played back:

Press the RANDOM button.

- The "RANDOM" indicator will light up. Normal playback will stop and random play will begin by selecting a new track randomly.

To stop random play:

Press the STOP button.

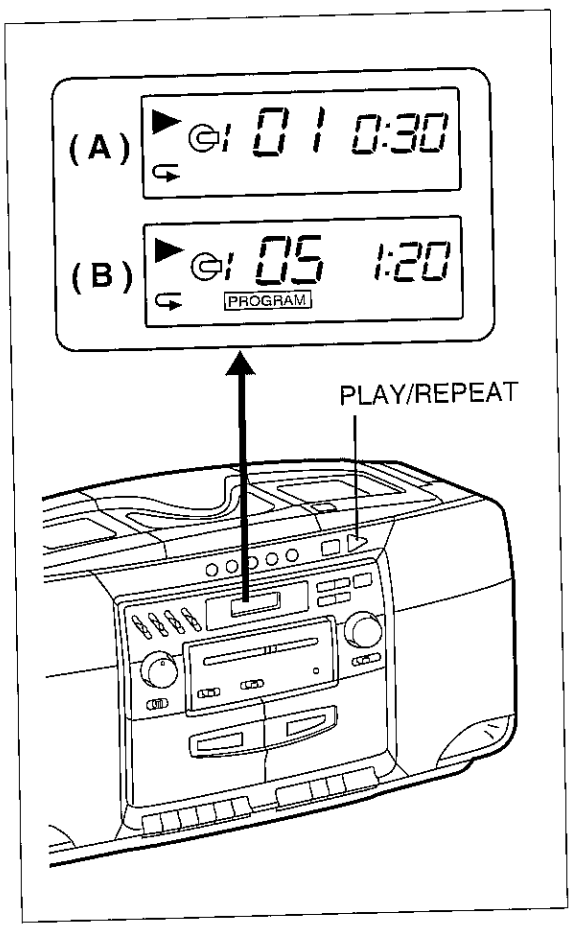
- The "RANDOM" indicator will go out.

Caution:

Random play will continue until the STOP button is pressed.

Note:

- If the RANDOM button is pressed whilst a programmed sequence is being stored in memory, the random play function will not work.



■ Repeat play

All tracks on the discs in the disc holder, or a programmed sequence can be continuously repeated.

(A) To repeat all tracks on the discs in the disc holder:

1 Press the PLAY/REPEAT button twice.

- The "⊂" indicator will light up.

(B) To repeat a programmed sequence:

1 Programme a sequence of up to 32 tracks. (See page 9.)

- The "PROGRAM" indicator will light up.

2 Press the PLAY/REPEAT button twice.

- The "⊂" indicator will light up.

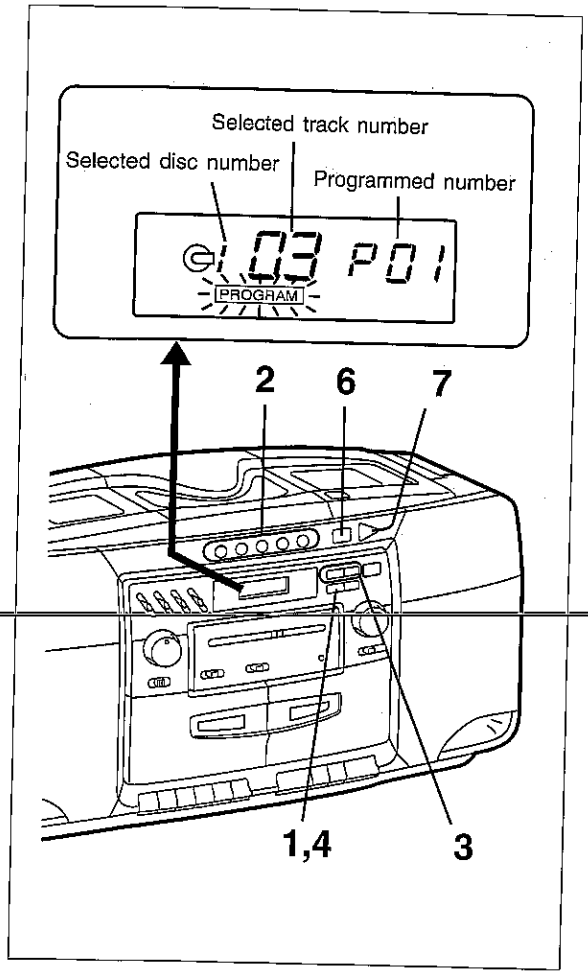
To cancel repeat play:

Press the PLAY/REPEAT button again.

- The "⊂" indicator will go out.

Notes:

- When the RANDOM button is pressed during repeat play, repeat play will be cancelled, and random play will begin.
- If the PLAY/REPEAT button is pressed during random play, repeat play will not be activated.



■ APMS
(Automatic Programmable Music Selector)

You can play the tracks on the discs in the disc holder in any order desired. By specifying the disc numbers from 1 to 5, and the track numbers from 1 to 99, you can choose up to 32 selections for playback in the order you like.

1 Whilst in the stop mode, press the MEMORY button to place the unit in the programme mode.

- The "PROGRAM" indicator will flash to show that the unit is in the programme mode.

2 Press the DISC NUMBER button (⊖1 - ⊖5) to select the desired disc number.

3 Press the UP button to select the desired track forward, and the DOWN button to select the desired track backward.

4 Press the MEMORY button again.

- The programmed number will appear in the display to show that a programmed sequence is being stored in memory.

5 Repeat steps 2 - 4 for any other track. Up to 32 tracks can be programmed.

Note:

- If 32 tracks have already been programmed and the MEMORY button is pressed, "End" will appear and the unit will refuse further programme operations.

6 Whilst in the programme mode, press the STOP button to cancel it.

- The "PROGRAM" indicator will light up to show that a programme is being entered.

Note:

- Whilst in the programme mode, if none of the buttons is pressed for about 30 seconds, the programme mode will be cancelled automatically.

7 Press the PLAY/REPEAT button to start playback of programmed selections.

To clear all the programmed selections:

Open the CD compartment.

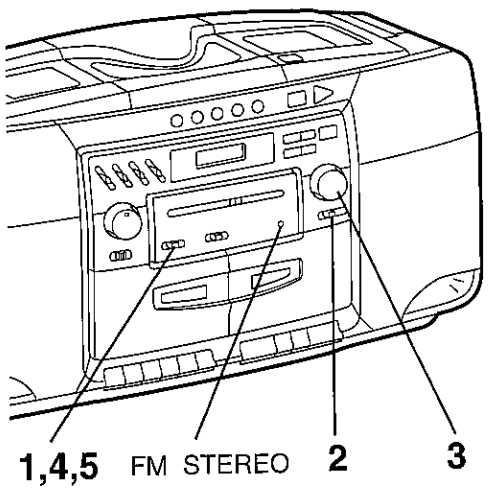
Notes:

- Even when the CD compartment is open, programme settings can be entered.
- Tracks cannot be cleared one by one.
- Programming is not possible during playback or pause.

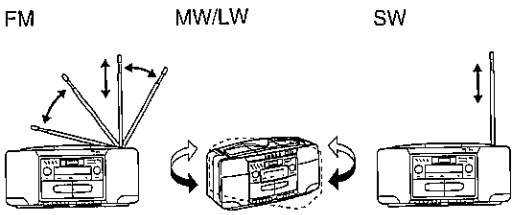
Precautions for CD operation:

- If TV or radio interference occurs during CD operation, move the unit away from the TV or radio.
- Subjecting the unit to shock or vibration can cause mistracking.
- Do not open the CD compartment whilst the disc is rotating.
- Keep foreign objects out of the CD compartment.
- Playing some compact discs at a high volume can cause mistracking. In this case, listen at a lower volume.
- The temperature range for playing compact discs is recommended to be 5°C (41°F) - 35°C (95°F).
- Keep the CD compartment closed except when loading discs.

RADIO OPERATION



Aerial adjustment



1 Set the FUNCTION switch to TUNER.

2 Set the BAND switch to FM, LW, MW or SW.

3 Use the TUNING control to tune in to the desired station.

4 To receive an FM stereo transmission, set the FUNCTION switch to FM STEREO.

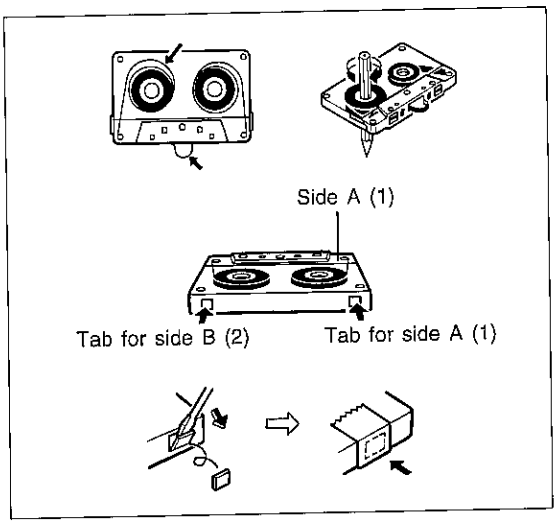
- The FM STEREO indicator lights up when an FM broadcast is in stereo.

5 If the FM reception is weak, set the FUNCTION switch to FM MONO.

- Although the reception changes to monaural, the sound becomes clearer.

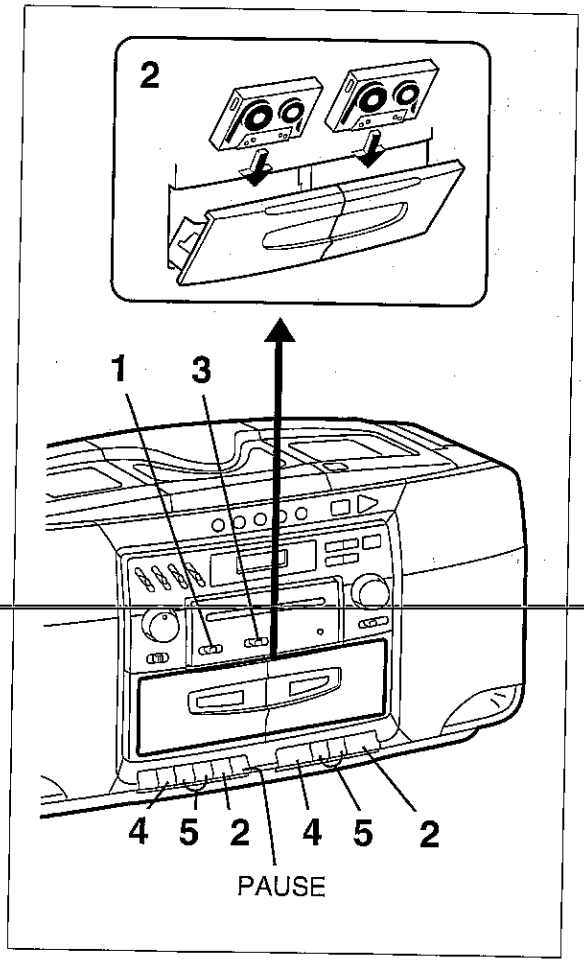
To switch the unit off after use:
Set the FUNCTION switch to POWER STAND-BY.

CASSETTE OPERATION



■ General information

- For playback, use normal (low-noise), CrO_2 or metal tape for the best sound. For recording, use only normal tape. (CrO_2 or metal tape is not recommended for recording.)
- Do not use C-120 tapes, tapes with large diameter reels, or poor-quality tapes, since they can cause malfunctions.
- Before loading a tape into the cassette compartment, tighten the slack tape with a pen or pencil.
- Cassettes have removable tabs which prevent accidental recording or erasing from taking place. Removing the tab will protect the corresponding side from being erased. Cover the tab holes with adhesive tape to erase or record again.
- TAPE 1: Playback only.
  TAPE 2: Playback or recording.



■ TAPE 1 or TAPE 2 playback

1 Set the FUNCTION switch to TAPE.

2 Press the STOP/EJECT button and load a cassette into the TAPE 1 or TAPE 2 cassette compartment.

3 Set the TAPE1•2(PB) switch to the required position.

- Set the selector to CrO_2 for CrO_2/metal tape and to NORMAL for normal tape.

4 Press the PLAY button of TAPE 1 or TAPE 2 to start playback.

5 To advance the tape, press the STOP/EJECT button, then press the F FWD button. To rewind, press the STOP/EJECT button, then press the REWIND button.

To interrupt playback: (TAPE 2 only)

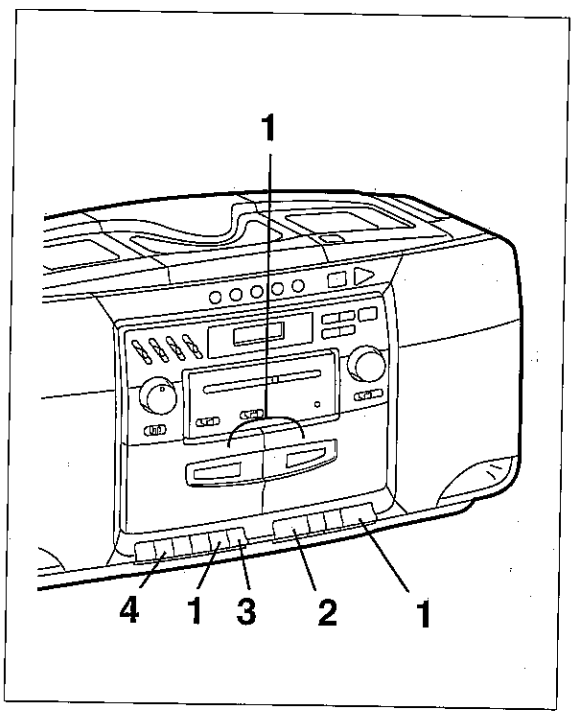
Press the PAUSE button during playback.
Press the PAUSE button again to resume playback.

To stop playback:

Press the STOP/EJECT button.

Precautions:

- Be sure not to press the PLAY and REWIND buttons simultaneously, or the tape will be damaged.
- Before changing from one tape operation to another, press the STOP/EJECT button.
- If TAPE 1 and TAPE 2 are played back at the same time, only the sound from TAPE 1 will be heard.
- If the PAUSE button is pressed whilst the fast forward or rewind operation is in progress, the F FWD or REWIND button will not be released when the tape end is reached. In this case, press the STOP/EJECT button.



■ Continuous playback (TAPE 1 to TAPE 2)

1 Press the STOP/EJECT buttons and load cassettes into the TAPE 1 and TAPE 2 cassette compartments.

2 Press the PLAY button of TAPE 1.

3 Press the PAUSE button of TAPE 2.

4 Press the PLAY button of TAPE 2.

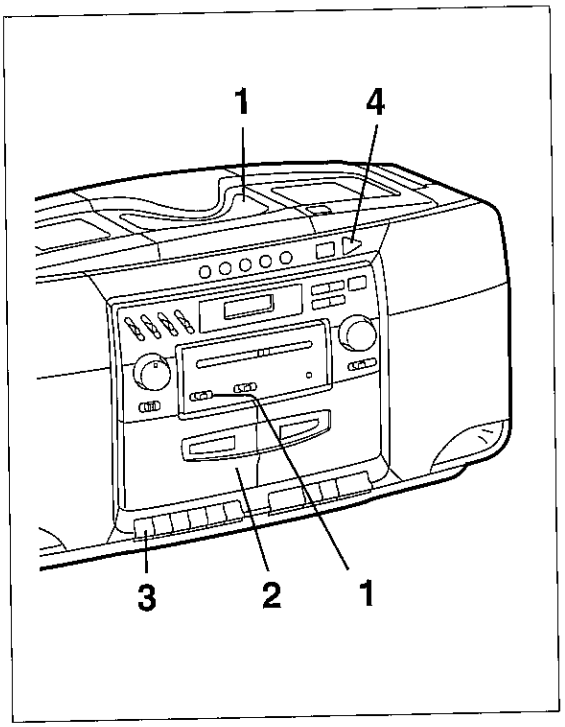
- When TAPE 1 stops at the end of the tape, the PLAY button of TAPE 1 and the PAUSE button of TAPE 2 are automatically released, and TAPE 2 starts to play.

Note:

- When in the continuous play mode, pressing the STOP/EJECT button of TAPE 1 starts TAPE 2 automatically.

RECORDING

- When recording important selections, be sure to make a preliminary test to ensure that the desired material is being properly recorded.
- The ALC (Automatic Record Level Control) circuit automatically controls the level of the input signal used for recording.
- The VOLUME, X-BASS and GRAPHIC EQUALIZER controls may be adjusted with no effect on the recorded signal. (Variable Sound Monitor)
- Metal and CrO_2 tapes cannot be used for recording.
- The TAPE1•2(PB) switch functions only during playback, so only normal or low-noise tapes can be used for recording.
- To erase a recorded tape, set the FUNCTION switch to TAPE and press the RECORD button of TAPE 2. (Check to make sure that TAPE 1 is not being used.)



■ Recording from the built-in CD player (CD Synchronised Recording System)

1 Set the FUNCTION switch to CD and load a disc.

2 Load a cassette into the TAPE 2 cassette compartment.

3 Press the RECORD button, which also engages the PLAY button.

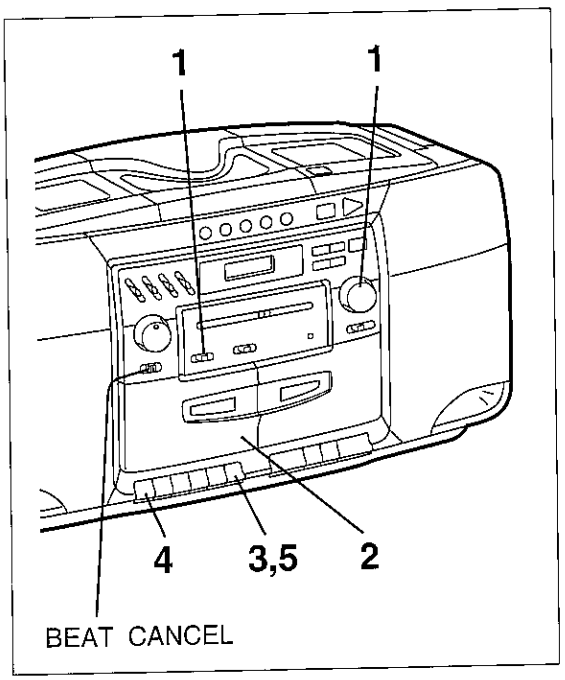
4 Press the PLAY/REPEAT button on the CD.

- Recording begins automatically.

Notes:

- The tape stops and enters the recording stand-by mode when the compact disc is paused, stopped or its end is reached. Press the PLAY/REPEAT button to resume recording.
  Press the STOP/EJECT button of the tape to end the recording session.
- When the CD player spends more than 2 seconds searching for a track, the tape will stop automatically and resume recording when the beginning of the next track is found.

Note:
Do not leave the tape in the recording stand-by mode for an extended time. Be sure to press the STOP/EJECT button on the tape deck, otherwise damage may occur to the tape or to the unit.



■ Recording from the built-in radio

1 Tune in to the desired station. (See page 10.)

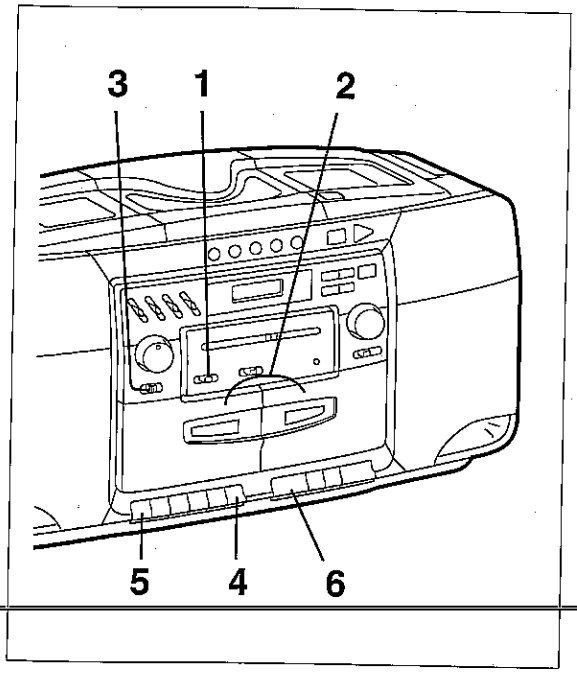
2 Load a cassette into the TAPE 2 cassette compartment.

3 Press the PAUSE button of TAPE 2.

4 Press the RECORD button of TAPE 2, which also engages the PLAY button.

5 Press the PAUSE button of TAPE 2 again to begin recording.

Beat cancel switch
If a whistling noise occurs when recording from LW, MW or SW, set the BEAT CANCEL switch to A, B or C, whichever gives the best reception.



■ Dubbing from tape to tape

1 Set the FUNCTION switch to TAPE.

2 Load a prerecorded cassette into the TAPE 1 cassette compartment. Insert a blank tape into the TAPE 2 cassette compartment.

3 Set the DUBBING SPEED switch to NORMAL for normal-speed dubbing, HIGH for high-speed dubbing.

4 Press the PAUSE button of TAPE 2.

5 Press the RECORD button of TAPE 2, which also engages the PLAY button.

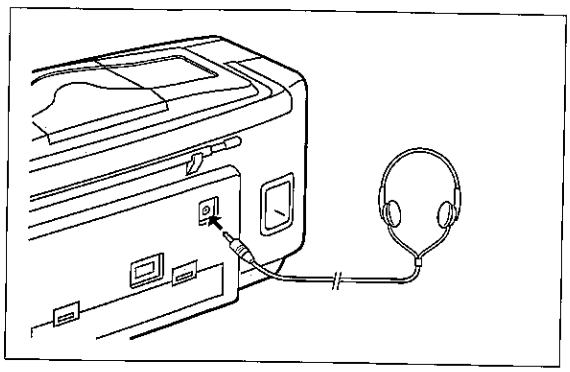
6 Press the PLAY button of TAPE 1.

- The PAUSE button of TAPE 2 will be released automatically and dubbing from TAPE 1 to TAPE 2 will begin. (Synchronous dubbing start)

Notes:

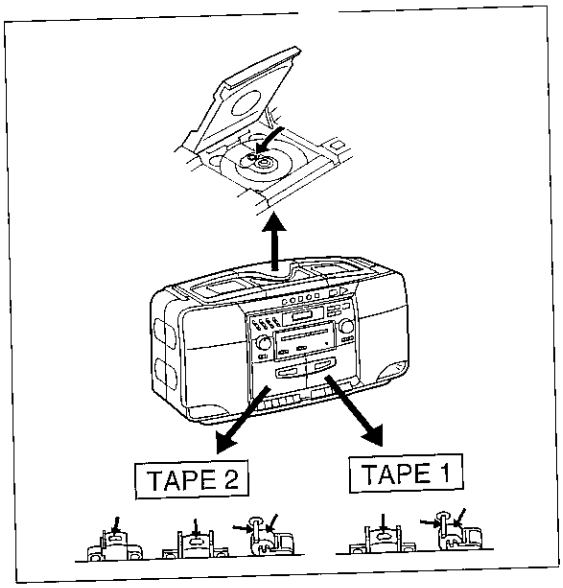
- Do not change the setting of the DUBBING SPEED switch during dubbing.
- Only use normal or low-noise tapes in both TAPE 1 and TAPE 2 for dubbing.

HEADPHONES



- Be sure that your headphones have a 3.5 mm (1/8") diameter plug and are between 16 ohms and 50 ohms impedance.
  Recommended impedance is 32 ohms.
- Connect the headphones plug to the PHONES socket, which disconnects the speakers. Adjust the volume by using the VOLUME control.

MAINTENANCE



■ Internal care

- Do not touch the pickup. If fingerprints or dust accumulate on the pickup, clean it gently with a dry cotton swab.
- Dirty heads, capstans or pinch rollers can cause poor sound and tape jams. Clean these parts with a cotton swab moistened with commercial head/pinch roller cleaner or isopropyl alcohol.
- After long use, the deck's heads and capstans may become magnetised, causing poor sound. Demagnetise these parts once every 30 hours of playing/recording time by using a commercial tape head demagnetiser. Read the demagnetiser's instructions carefully before use.

■ External care

- Periodically wipe the cabinet with a soft cloth and dilute soap solution, then wipe with a dry cloth.
- Do not use chemically treated cleaning cloths or other chemicals.

SPECIFICATIONS

As a part of our policy of continuous improvement, SHARP reserves the right to make design and specification changes for product improvement without prior notice. The performance specification figures indicated are nominal values of production units. There may be some deviations from these values in individual units.

● General

Power source:	AC 230 - 240 V, 50 Hz DC 12 V ["D" size (UM/SUM-1, R20 or HP-2) battery × 8]
Power consumption:	33 W
Output power:	PMPO; 28 W (total) MPO; 9.6 W (4.8 W + 4.8 W) (AC operation, DIN 45 324) RMS; 7 W (3.5 W + 3.5 W) (AC operation, DIN 45 324)
Speakers:	10 cm (4") woofer × 2 Tweeter × 2
Output terminals:	Headphones; 16 - 50 ohms (recommended; 32 ohms)
Dimensions:	Width; 540 mm (21-1/4") Height; 259 mm (10-3/16") Depth; 260 mm (10-1/4")
Weight:	6.0 kg (13.2 lbs.) without batteries

● Radio

Frequency range:	FM; 87.5 - 108 MHz LW; 148.5 - 283.5 kHz MW; 526.5 - 1,606.5 kHz SW; 5.95 - 18 MHz

● Tape recorder

Frequency response:	50 - 14,000 Hz (Normal tape)
Signal/noise ratio:	55 dB (TAPE 1, playback) 50 dB (TAPE 2, recording/playback)
Wow and flutter:	0.3 % (DIN 45 511)
Motor:	DC 12 V electric governor
Bias system:	AC bias
Erase system:	AC erase

● Compact disc player

Disc:	Compact disc
Signal readout:	Non-contact, 3-beam semiconductor laser pickup
Audio channels:	2
Decoder:	16-bit linear quantization
Filter:	4-times oversampling 16-bit digital filter
Wow and flutter:	Unmeasurable (less than 0.001% W. peak)

SHARP

SHARP CORPORATION

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